Dynamic Distribution of Test Execution

ABSTRACT OF THE DISCLOSURE

Computing devices are tested by providing a suite of test
5   programs on a server for execution by a plurality of identical
computing devices that are coupled to the server. A respective
unique identifier is assigned to each of the plurality of the
computing devices, for use in communicating with the server.
The test programs are downloaded from the server for execution
10   by the computing devices coupled thereto, so that at different
computing devices execute different test programs substantially
simultaneously. The server receives messages from the computing
devices with respect to execution of the test programs, each of
the messages containing the respective unique identifier, and
15   controls the execution of the test programs in the suite based
on the messages. The server dynamically distributes the test
programs to a changing population of the computing devices, op-
timizing the distribution so as to minimize the time to com-
plete the suite.
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